

FILE NO. 1-7-141(d) – (i)

EFFECTIVE DATE: November 1, 2002

CODE APPLICATION NOTICE**SUBJECT:** Testing, Inspection and Observation Program

CODE SECTION:

7-141 (d) The architect or engineer of record in general responsible charge of the work shall prepare a testing, inspection and observation program which shall be submitted to the Office for approval prior to the issuance of the building permit.

(e) The testing program shall identify materials and tests to be performed on the project. The firm(s) and/or individual(s) to perform each of the required tests shall also be identified. The testing program shall include, at a minimum, those tests required by applicable sections of the California Building Standards Code.

(f) The testing program shall include a completed application for inspector(s) of record for the project. If a project has more than one inspector of record, the distribution of responsibilities for the work shall be clearly identified for each inspector of record. The inspection program shall also identify all special inspections to be performed on the project and the individual(s) to perform the inspections. The special inspections shall include, at a minimum, those special inspections required by applicable sections of the California Building Standards Code.

(g) The observation program shall identify each professional that must, through personal knowledge as defined in Section 7-151, verify that the work is in compliance with the approved plans and specifications. The contractor or owner/builder and the inspector(s) of record shall verify that the work is in compliance with the approved plans and specifications in accordance with the requirements for personal knowledge as it applies to each participant or discipline. The program shall give specific intervals or project milestones at which such observation is to occur for each affected participant or discipline. Each required observation shall be documented by a compliance verification report prepared by each participant or discipline and submitted to the office.

(h) The tests, inspection and observation program shall include samples of test and inspection reports and provide time limits for the submission of reports.

(i) All completed test, inspection and observation reports shall be submitted to the Office.

INTERPRETATION:

The requirements of this Code Application Notice (CAN) apply to all new projects received on or after November 1, 2002.

In order to ensure that the testing, inspection and observation are accomplished in compliance with applicable code requirements, a written testing, inspection and observation program shall be submitted to the Office for review and approval. The testing, inspection and observation program shall accompany the plan review submittal to the Office, and may be separately bound or

incorporated into the plans or specifications. In addition, the testing, inspection and observation program shall include samples of test and inspection reports and provide time limits for the submission of these reports. Suggested forms are attached to this CAN, and may also be downloaded from the OSHPD website at www.oshpd.state.ca.us/fdd/.

Note that while many of the tests and inspections required by the code are included on the attached forms, they are not intended to provide an exhaustive list of tests and inspections. The attached forms are provided as a suggested format for complying with the requirements of the code. Use of the attached forms is not required for compliance with the applicable codes. However, whether the attached guideline or another format is used, it is the responsibility of the architect or engineer in responsible charge to ensure that all tests, inspections and observations required by code are included in the program.

The following approvals are required for the testing, inspection and observation program:

- Prior to plan approval, the Office will evaluate the testing, inspection and observation program for compliance with testing and special inspections required by the Title 24, Building Standards Code and for the adequacy of the observation specified for the project.
- Prior to the issuance of the building permit, the Office will review the application and qualifications of the Inspector of Record, and the qualifications of other designated firms and individuals responsible for performing special testing, inspection and observation (special inspectors).

The testing, inspection and observation program may be approved with comments, contingent upon the review of the qualifications for special inspectors being completed prior to commencement of the related work.

All testing specified in the program requires documentation substantiating the satisfactory completion and performance of the work. All observations and special inspections specified by the program require the submittal of a verified compliance report to the Office.

REASON:

The architect or engineer in responsible charge of the work is required to prepare and submit a testing, inspection and observation program to the Office for approval prior to issuance of a building permit. (Title 24, Part 1, Section 7-141)

The attached guideline has been developed to assist the industry with the preparation and implementation of the testing, inspection and observation program. While this guideline may be suitable for many projects, very large or complex projects may require the development of a

project specific testing, inspection and observation program. Simple, uncomplicated projects may require minimal observation and few (if any) tests or special inspections. However, regardless of the size or complexity of the project, a testing, inspection and observation program is required.

ORIGINAL SIGNED

8/27/02

Kurt A. Schaefer

Date

**INSTRUCTIONS FOR
TESTING, INSPECTION AND OBSERVATION PROGRAM FORM
(Sections A – E)**

General Instructions

This form is intended to assist design professionals in organizing the requirements of Title 24, Part 1, (Sections 7-141, 7-145, 7-149, 7-151), in regards to a Testing, Inspection, and Observation (TIO) Program. When approved for a specific project by the Office of Statewide Health Planning and Development (OSHPD), Facilities Development Division (FDD), this TIO Program is considered to be part of the approved construction documents. This generic format may be reproduced and edited, but the essential elements described in Title 24, Part 1, must be maintained. The TIO Program must be made specifically appropriate for either OSHPD 1 (Hospitals) or OSHPD 2 (typically Skilled Nursing Facilities) projects. Tests or inspections not specifically listed in Sections B or C may be added to the appropriate section under OTHER TESTS or OTHER INSPECTIONS.

Note that while many of the tests and inspections required by the code are included on the attached forms, they are not intended to provide an exhaustive list of tests and inspections. The attached forms are provided as a suggested format for complying with the requirements of the code. Use of the attached forms is not required for compliance with the applicable codes. However, whether the attached guideline or another format is used, it is the responsibility of the architect or engineer in responsible charge to ensure that all tests, inspections and observations required by code are included in the program.

Before the Building Permit may be approved and issued, OSHPD/FDD must have approved the following documents:

- Construction drawings and specifications
- Inspector(s) of Record (IOR). See 7-141(f)
- A Testing, Inspection, and Observation Program

Approval of Testing Laboratories firms and Individuals may be deferred.
See 7-141(d, e, f, g, h); 7-149; 7-151(e)

Section A

This section identifies the specific project that the TIO Program form applies to:

- FACILITY NAME – As shown on the Facility License issued by the Department of Health Services
- ADDRESS/STREET - The physical location of the construction project
- CITY – The city where the project is located
- TITLE OF PROJECT – As shown on the Application for Plan Review
- PROJECT NUMBER – As assigned by OSHPD
- INCREMENT, PHASE OR SUB NUMBER – As assigned by OSHPD
- FACILITY ID NUMBER – As assigned by OSHPD (a five character ID)

Section B

This section shall identify specific tests required by Title 24, Parts 2, 3, 4, or 5 for the above project. Many tests required by Title 24 are included. Some documents referenced by the designer (pre-approvals, IRs) may require special testing not directly required by Title 24, these must also be referenced and included. Tests may be grouped by subject matter for clarity. OSHPD Plan Review staff will review and approve this list of tests for accuracy and completeness. OSHPD Field Staff will review and approve the firms or individuals conducting the tests prior to issuing the Building Permit or prior to related work commencing. Section B layout shall include the following:

- **TESTS COLUMN**- A description by the design professional of the required tests grouped by discipline or subject matter. Reference the code section for required tests or reference approved plans or specifications for designer required tests.
- **N/A COLUMN** - If this generic TIO Program list of tests is used, indicate those tests which are not applicable (N/A) for a particular project.
- **RESPONSIBLE FIRM OR INDIVIDUAL** - Indicate which firm or individual is responsible to carry out the test. This shall be a Testing Laboratory or Certified Individual.
- **CONSTRUCTION VERIFICATION / IOR** - Once all tests of this specific kind are satisfactorily completed and documented, the IOR shall verify the completion with an initial and date.
- **OFFICE USE ONLY CONSTRUCTION ACCEPTANCE / FDD** - At least one OSHPD field staff (Area Compliance Officer (ACO), Fire & Life Safety Officer (FLSO), and District Structural Engineer (DSE)) will confirm the acceptance of an individual test with an initial and date. If no DSE is assigned to a particular project, the ACO shall initial acceptance of a test designated for DSE.

Section C

This section shall identify specific special inspections required by Title 24, Parts 2, 3, 4, or 5 for the above project. Some inspections required by Title 24, are included. Inspections may be grouped by subject matter for clarity. OSHPD Plan Review staff will review and approve this list of inspections for accuracy and completeness. OSHPD Field Staff will also review and approve the individuals conducting the inspections prior to issuing the Building Permit or prior to related work commencing. Section C layout shall include the following:

- **INSPECTIONS COLUMN** - A description by the design professional of the required inspections grouped by discipline or subject matter. Reference the code section for required inspections or reference approved plans or specifications for designer required inspections.
- **N/A COLUMN** - If this generic TIO Program list of inspections is used, indicate those inspections which are not applicable (N/A) for a particular project.
- **RESPONSIBLE INDIVIDUAL** - Indicate which individual is responsible to carry out the inspections.

- **CONSTRUCTION VERIFICATION / IOR** - Once all inspections of this specific kind are satisfactorily completed and documented, the IOR shall verify the completion with an initial and date.
- **OFFICE USE ONLY CONSTRUCTION ACCEPTANCE / FDD** - At least one OSHPD field staff will confirm the acceptance of an individual inspection with an initial and date. If no DSE is assigned to a particular project, the ACO shall initial acceptance of an inspection designated for DSE.

Section D

The design professional in charge is responsible for fully describing the observations being proposed for OSHPD acceptance and for identifying who shall observe the elements of construction and when they shall be observed. Section D coordinates this effort into a table.

The rows of the table are the individual elements of construction to be observed. The columns of the table are the individuals, who must perform the observations. The required individuals are identified in Title 24, Part One, and may include: Geotechnical Engineer, Architect, Structural Engineer, Mechanical Engineer, Electrical Engineer, Contractor (or Owner/Builder), Inspector of Record, and all Special Inspectors. Each box marked with an 'X', indicates that a Verified Compliance Report must be filed at the described milestone or interval.

Elements of Construction may include but are not limited to; Construction Preparation, Site Work, Foundation, Concrete, Masonry, Steel, Wood, Roofing, Fire Rated Construction, Above Ceiling Components, Architectural Elements, Equipment Anchorage, Fire Protection Systems, Miscellaneous Systems, Plumbing Systems, Mechanical Systems, Electrical Systems, and Substantial Completion. OSHPD Plan Review must accept this list of observations as complete.

The Inspector of Record shall maintain copies of all Verified Compliance Report forms. Work to be observed shall not be covered, occupied, or used until written acceptance by all individuals identified in the table and the OSHPD field staff has been received.

A MILESTONE method for establishing observations of construction means the project is observed based upon the progress of the work. An INTERVAL method for establishing observations of construction means the project is observed based upon calendar frequency. Section D layout shall include the following:

- **REFERENCE NO. (Ref. No.)** – A reference number must be included for coordination with the Verified Compliance Report (see form OSH-FD-123).
- **REQUIRED CONSTRUCTION OBSERVATION / MILESTONE OR INTERVAL** – A complete description of the specific milestone/interval (element or system) to be observed.
- **VERIFIED COMPLIANCE REPORT REQUIRED AS INDICATED / OSH-FD-123** - The specified individuals are as required by Title 24, Part One, Section 7-151. This table identifies which individuals are required to submit the OSHPD Verified Compliance Report form (OSH-FD-123) for each milestone defined by the design professional. This form replaces the discontinued Verified Report Form. The Verified Compliance Report is

based upon 'personal knowledge' as defined in Section 7-151. Each box marked with an 'X', indicates that a Verified Compliance Report must be filed.

- **FOR OFFICE USE ONLY / OSHPD-FDD** – OSHPD field staff may at any time review the accumulated Verified Compliance Reports at the project site, against the required Reports. Field Staff will initial and date lines they verify as in compliance. Projects with Reports not submitted to the field are subject to Stop Work Orders.

NOTE: Final Verified Compliance Reports are required on all projects from all individuals identified in Title 24, Part One. At a minimum, a Final Verified Compliance Report is required from the contractor (who may be an owner/builder) and the IOR.

After completion of Section D, the last page includes a location where the Architect or Engineer in responsible charge indicates they have attached samples of test and inspection forms required by Section 7-142(h) or, when the scope of the project does not require tests or special inspections, indicates that samples are not required.

Prior to signing in Section E, the Architect or Engineer in responsible charge shall also indicate the time limit for the submission of required test and inspection reports to OSHPD FDD.

Section E

This section provides for the signature of the Architect or Engineer in responsible charge of the project. It is this individual who is responsible for submitting the Tests, Inspection and Observation Program to OSHPD. OSHPD FDD staff will sign in this section upon plan approval and building permit approval.

- Architect or Engineer in responsible charge of the project to sign and date the Tests, Inspection, and Observation Program submittal. Print first and last name and indicate profession license number.
- OSHPD Plan Review to sign and date, indicating the acceptance and approval of all listed Tests, Inspections, and Observations.
- OSHPD Field Staff to sign and date, indicating the acceptance and approval of the firms or individuals proposed to perform the tests and special inspections.



1600 Ninth Street, Room 420, Sacramento California, 95814

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1831 Ninth Street, Sacramento California, 95814

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311 South Spring Street, Suite 1001, Los Angeles California, 90013

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TESTING, INSPECTION AND OBSERVATION PROGRAM – 2001 CALIFORNIA BUILDING STANDARDS CODES - OSHPD 1

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This program is prepared and submitted for an OSHPD 1 project. OSHPD 1 projects include all construction and remodel projects for general acute-care hospitals and acute psychiatric hospitals. OSHPD 1 projects also include construction and remodel of skilled nursing facilities and/or intermediate care facilities except those of single-story, Type V, wood or light steel-frame construction.

A	Facility Name	Project Number
	Address – Street	Sub Number
	City	Facility ID Number
	Title of Project	

B	TESTS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	STRUCTURAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Compact fill CBC 3301.1 Filled material acceptance test				DSE:
	Compact fill CBC 3301.1 Compaction test				DSE:
	Concrete CBC 1903A.1.2 , 1903A.2 & 1929A.1 Cement				DSE:
	Concrete CBC 1903A.1.2, 1903A.3.1 & 1903A.3.2.1 Aggregates/Reactive aggregates				DSE:
	Concrete CBC 1903A.1.2 & 1903A.6 Admixtures				DSE:
	Concrete CBC 1904A, 1905A.2.3 & 1905A.3 Mix design (Select method A, B or C)				DSE:
	Concrete CBC 1905A.6 Strength test				DSE:
	Concrete CBC 1903A.5 & 1929A.2 Metal reinforcement (incl. welded wire fabric)				DSE:
	Concrete CBC 1903A.5.5 & 1929A.3 Prestressing tendons and anchorage				DSE:
	Shotcrete CBC 1924A.5 Preconstruction test				DSE:
	Shotcrete CBC 1924A.10 Strength test				DSE:
	Shotcrete CBC 1924A.11.2 Core test				DSE:
	Masonry CBC 2102A.2 Material standards tests				DSE:
	Masonry CBC 2103A.3 Mortar proportion, Aggregates				DSE:
	Masonry CBC 2103A.4 Grout proportion, Aggregates				DSE:
	Masonry CBC 2103A.5 Additives				DSE:
	Masonry CBC 2105A.3.1 Core test				DSE:
	Masonry CBC 2105A.3.2, 3.3, 3.4 or (3.5) Compressive strength f'm test				DSE:
	Steel CBC 2203A.2 & 2231A.1 Structural steel & cold formed steel				DSE:
	Steel CBC 2231A.2 High strength bolts, nuts and washers				DSE:



Facility Name	Project Number	Sub Number
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B	TESTS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	STRUCTURAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Steel CBC 2231A.3 End-welded studs				DSE:
	Steel CBC 2231A.7 Open web steel joists (Load Test)				DSE:
	Steel CBC 1703A Nondestructive weld test				DSE:
	Steel CBC 2214A.5.1.2 SMRF connection strengths				DSE:
	Miscellaneous CBC 1923A.3.5 Expansion and epoxy anchors				DSE:
	Miscellaneous CBC 1605A.4 Shot-in anchors for ceiling wires				DSE:
	Miscellaneous CBC 1403A.5.6 Veneer bond strength test				DSE:
	Miscellaneous CBC 1704A Prefabricated items				DSE:
	Miscellaneous CBC 1605A.4 Epoxy injection				DSE:
	Structural Design Requirements 1605A.4 Tests to Support Alternative Designs				DSE:
	Base Isolation CBC 1665A Isolator unit prototype & production testing				DSE:
	ELECTRICAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Ground fault protection CEC 230-95c & 517-17c Performance test				ACO:
	Emergency power CEC 700-4a Power failure test NFPA 110-1996 5-13.2.3				FLSO:
	Emergency power CEC 700-4a Full load test NFPA 110-1996 5-13.2.5				FLSO:
	Emergency power CEC 700-4a Cycle crank test NFPA 110-1996 5-13.2.8				FLSO:
	Emergency power CEC 700-4a Exit signs, exit lighting & fire alarms NFPA 110-1996 5-13.2.3				FLSO:
	Emergency power CEC 700-4a Task lighting, medical gas alarms NFPA 110-1996 5-13.2.3				ACO:
	Emergency power CEC 700-4a Receptacle, nurse & staff call NFPA 110-1996 5-13.2.3				ACO:
	Emergency power CEC 700-4a Elevators NFPA 110-1996 5-13.2.3				ACO:
	MECHANICAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Commercial kitchen hood ventilation CMC 509.11 Performance test				ACO:
	Refrigeration equip. CMC 116.3 & 1123.0				ACO:
	Refrigeration detection & alarm system CMC 1121.4 & CFC 6313.5 Acceptance testing				ACO:
	Refrigeration flaring system CMC 1119.3 Safety & effectiveness				FLSO:
	Steam & hot water boilers CMC 116.3 & 1023.0				ACO:



Facility Name	Project Number	Sub Number
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B	TESTS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	MECHANICAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Hydronics CMC 1201.2.8 Pressure test of steam & water piping				ACO:
	Hydronics CMC 1201.3.6 Pressure test of polybutylene piping				ACO:
	Hydronics CMC 1203.2 Pressure test of piping prior to embedding in concrete				ACO:
	Process piping CMC 1406.2 Pressure test				ACO:
	Ventilation system CMC 407.3.1 Table 4-A areas tested and balanced				ACO:
	Negative & positive pressure isolation rooms CMC 416.4 Alarm system test				ACO:
	Negative & positive pressure isolation rooms CMC 417.0 Mechanical system tested & balanced				ACO:
	PLUMBING TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Potable water installations CPC 609.9, CBC 423A.5 & AWWA C651-92 Bacteriological examination/water purity test				ACO:
	Medical gas and vacuum CBC 423A.1, NFPA 99- 1999 Gas and vacuum system performance testing				ACO:
	Medical gas and vacuum CBC 423A.1, NFPA 99- 1999 Gas and vacuum system verification testing				ACO:
	Existing sewers & drains CPC 101.4.1.1.2 Tested for conformance with reqmnts. for new work				ACO:
	Water supply system CPC 103.5.1.1 & 609.4 Pressure tested prior to covering or concealment				ACO:
	Plumbing or drainage systems CPC 103.5.1.3 & 712.0 Water or air tested prior to use, covering or concealment				ACO:
	Building sewer CPC 103.5.1.3 & 723.0 Water or air tested prior to use, covering or concealment				ACO:
	Storm drain piping CPC 1109 Water or air tested prior to use, covering or concealment				ACO:
	Fuel piping CPC 1204.3.2 Air, CO ₂ or nitrogen tested prior to use, covering or concealment				ACO:
	Private sewer disposal system CPC 103.5.1.3 Tested prior to use, covering or concealment				ACO:
	Protectively coated pipe CPC 103.5.3.4 Tested for voids, damage & imperfections				ACO:
	Joints and connections CPC 103.5.3.5 Pressure tested for gas and water tightness				ACO:
	Defective systems CPC 103.5.5.1 Air test of defective drainage & plumbing systems				ACO:
	Moved structures CPC 103.5.5.2 All parts of plumbing systems tested				ACO:
	Retesting CPC 103.5.6.2 Retest after corrections				ACO:
	Backflow prevention assembly CPC 603.3.3 Assembly tested				ACO:
	Fuel gas piping CPC 1204.3.2 Pressure test				ACO:



Facility Name	Project Number	Sub Number
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B	TESTS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	FIRE PROTECTION EQUIPMENT TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Fire alarm CFC 1001.4, NFPA 72-1999 7-1.6 Acceptance and reacceptance testing				FLSO:
	Fire & smoke dampers CFC 1001.4 Acceptance testing				FLSO:
	Duct detectors CFC 1001.4, NFPA 72-1999 7-1.6 Differential pressure test				FLSO:
	Smoke control system CFC 1001.4, CBC 905.15 Acceptance testing				FLSO:
	Fire sprinkler CFC 1001.4, NFPA 13-1999 Ch. 10 Acceptance testing – Aboveground piping				FLSO:
	Fire sprinkler CFC 1001.4, NFPA 13-1999 Ch. 10 Acceptance testing – Underground piping				FLSO:
	Standpipe system CFC 1001.4, NFPA 14-2000 Acceptance testing – Aboveground piping				FLSO:
	Standpipe system CFC 1001.4, NFPA 14-2000 Acceptance testing – Underground piping				FLSO:
	Private fire mains CFC 1001.4, NFPA 24-1995 Acceptance testing				FLSO:
	Fire pumps CFC 1001.4, NFPA 20-1999 Acceptance testing				FLSO:
	Wet chm extng sys. CFC 1001.4, NFPA 17A-1998 Ch 4 Acceptance testing				FLSO:
	Clean agent extng sys. CFC 1001.4, NFPA 2001- 2000 Acceptance testing				FLSO:
	CO ₂ extng system CFC 1001.4, NFPA 12-1998 Acceptance testing				FLSO:
	Dry chem extng sys CFC 1001.4, NFPA 17-1998 Ch 8 Acceptance testing				FLSO:
	Halon 1301 extng sys CFC 1001.4, NFPA 12A-1997 Acceptance testing				FLSO:
	OTHER TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Underground fuel tank CFC 7902.6.16 Pressure testing				FLSO:
	Underground fuel storage tank CFC 7902.6.15.4 Testing of corrosion protection				FLSO:
	Liquid fuel piping CFC 7901.11.10 Pressure testing				FLSO:



Facility Name	Project Number	Sub Number
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C	SPECIAL INSPECTIONS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	STRUCTURAL INSPECTIONS	N/A	RESPONSIBLE INDIVIDUAL	IOR	FDD
	Foundation CBC 1809A.6 Installation of piles				DSE:
	Foundation CBC 1809A.7.1 Cast in place belled caissons				DSE:
	Foundation CBC 3301.1 & 1701A.5, item 13 Fill for structures				DSE:
	Concrete CBC 1701A.5, item 1 Placement of concrete				DSE:
	Concrete CBC 1701A.5, item 4 Reinforcing steel and prestressing steel				DSE:
	Concrete CBC 1701A.5, item 3 Special moment-resisting frame				DSE:
	Concrete CBC 1929A.4 Batch plant inspection				DSE:
	Concrete CBC 1929A.9.1 Prestressed concrete				DSE:
	Concrete CBC 1929A.10 Pneumatically placed concrete (shotcrete)				DSE:
	Concrete CBC 1701A.5, item 9 Insulating concrete				DSE:
	Concrete CBC 1929A.12 Welding of reinforcing bars				DSE:
	Concrete CBC 1704A Precast panels				DSE:
	Concrete CBC 1704A GFRP panels				DSE:
	Masonry CBC 2105A.7 Laying and grouting				DSE:
	Masonry CBC 2104A.6.1.1.2 & 2104A.6.1.2.2 Low lift grout				DSE:
	Masonry CBC 2104A.6.1.1.3 & 2104A.6.1.2.3 High lift grout				DSE:
	Steel CBC 2231A.4 Steel shop fabrication				DSE:
	Steel CBC 2231A.5 Automatic end-welded stud				DSE:
	Steel CBC 2231A.5 Shop and field welding				DSE:
	Steel CBC 2231A.6 High strength bolt installation				DSE:
	Wood CBC 2337A.1 Glue laminated timber				DSE:
	Wood CBC 2337A.2 Installation of timber connectors				DSE:
	Wood CBC 2337A.3 Manufactured trusses				DSE:
	Miscellaneous CBC 1405A Veneer				DSE:
	Miscellaneous ICBO Evaluation Report Installation of expansion & epoxy anchors				DSE:
	Miscellaneous CBC 1701A.5, item 15 Epoxy injection				DSE:
	Miscellaneous CBC 1701A.5, item 15 Site work where special hazards exist				FDD:
	Base isolation CBC Appendix 1664A.3 Isolator unit prototype & production testing				DSE:



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

TESTING, INSPECTION AND OBSERVATION PROGRAM – 2001 CALIFORNIA BUILDING STANDARDS CODES - OSHPD 1

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OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

TESTING, INSPECTION AND OBSERVATION PROGRAM – 2001 CALIFORNIA BUILDING STANDARDS CODES - OSHPD 1

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AOR: Architect of Record CONT: Contractor or Owner/Builder IOR: Inspector of Record EOR: Electrical Engineer of Record MEOR: Mechanical Engineer of Record SEOR: Structural Engineer of Record GEOR: Geotechnical Engineer of Record SP INSP: Special Inspector

NOTE: Construction observation may be scheduled at specific intervals or at project milestones or a combination of both.



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

TESTING, INSPECTION AND OBSERVATION PROGRAM – 2001 CALIFORNIA BUILDING STANDARDS CODES - OSHPD 1

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[illegible]

AOR: Architect of Record CONT: Contractor or Owner/Builder IOR: Inspector of Record EEOR: Electrical Engineer of Record MEOR: Mechanical Engineer of Record SEOR: Structural Engineer of Record GEOR: Geotechnical Engineer of Record SP INSP: Special Inspector

NOTE: Construction observation may be scheduled at specific intervals or at project milestones or a combination of both.

OSHDP

State of California – Health and Human Services Agency

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT



TESTING, INSPECTION AND OBSERVATION PROGRAM – 2001 CALIFORNIA BUILDING STANDARDS CODES - OSHPD 1

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Samples of test and inspection reports are: ☐ Attached ☐ Not Required

Required test and inspection reports shall be prepared and submitted to OSHPD FDD within ____ days of the completion of all tests and inspections.

☐ In addition to the preprinted tests and special inspections identified on this form, this program includes additional tests and special inspections as indicated:

☐ Other Tests

☐ Other Inspections

☐ See Attachment

This program has been prepared and submitted for an OSHPD 1 project. OSHPD 1 projects include all construction and remodel projects for general acute-care hospitals and acute psychiatric hospitals. OSHPD 1 projects also include construction and remodel of skilled nursing facilities and/or intermediate care facilities except those of single-story, Type V, wood or light steel-frame construction.

E	SUBMITTED BY:	OSHPD PLAN APPROVAL:	
	_____ Architect/Engineer of Record	_____ Name	_____ Date
	PRINT NAME:	OSHPD PERMIT APPROVAL:	
	_____ Name	_____ Date	



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

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TESTING, INSPECTION AND OBSERVATION PROGRAM – 2001 CALIFORNIA BUILDING STANDARDS CODES - OSHPD 2

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This program has been prepared and submitted for an OSHPD 2 project. OSHPD 2 projects are limited to construction and remodel projects for skilled nursing facilities and/or intermediate care facilities of single-story, Type V, wood or light steel-frame construction.

A	Facility Name	Project Number
	Address - Street	Sub Number
	City	Facility ID Number
	Title of Project	

B	TESTS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	STRUCTURAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Compact fill CBC 3301.1 Filled material acceptance test				DSE:
	Compact fill CBC 3301.1 Compaction test				DSE:
	Concrete CBC 1903.1.2 & 1903.2 Cement				DSE:
	Concrete CBC 1903.1.2 & 1903.3.1 Aggregates				DSE:
	Concrete CBC 1903.1.2 & 1903.6 Admixtures				DSE:
	Concrete CBC 1904, 1905.3 & 1905.4 Mix design				DSE:
	Concrete CBC 1905.6 Strength test				DSE:
	Concrete CBC 1903.5 Metal reinforcement (incl. welded wire fabric)				DSE:
	Concrete CBC 1903.5.5 Prestressing tendons				DSE:
	Miscellaneous CBC 1923.3.5 Expansion and epoxy anchors				DSE:
	ELECTRICAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Ground fault protection CEC 230-95c & 517-17c Performance test				ACO:
	Emergency power CEC 700-4a Power failure test NFPA 110-1996 5-13.2.3				FLSO:
	Emergency power CEC 700-4a Full load test NFPA 110-1996 5-13.2.5				FLSO:
	Emergency power CEC 700-4a Cycle crank test NFPA 110-1996 5-13.2.8				FLSO:
	Emergency power CEC 700-4a Exit signs, exit lighting & fire alarms NFPA 110-1996 5-13.2.3				FLSO:
	Emergency power CEC 700-4a Task lighting, medical gas alarms NFPA 110-1996 5-13.2.3				ACO:
	Emergency power CEC 700-4a Receptacle, nurse & staff call NFPA 110-1996 5-13.2.3				ACO:
	Emergency power CEC 700-4a Elevators NFPA 110-1996 5-13.2.3				ACO:



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Facility Name	Project Number	Sub Number
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B	MECHANICAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Commercial kitchen hood ventilation CMC 509.11 Performance test				ACO:
	Refrigeration equip. CMC 116.3 & 1123.0				ACO:
	Refrigeration detection & alarm system CMC 1121.4 & CFC 6313.5 Acceptance testing				FLSO:
	Refrigeration flaring system CMC 1119.3 Safety & effectiveness				ACO:
	Steam & hot water boilers CMC 116.3 & 1023.0				ACO:
	Hydronics CMC 1201.2.8 Pressure test of steam & water piping				ACO:
	Hydronics CMC 1201.3.6 Pressure test of polybutylene piping				ACO:
	Hydronics CMC 1203.2 Pressure test of piping prior to embedding in concrete				ACO:
	Process piping CMC 1406.2 Pressure test				ACO:
	Ventilation system CMC 407.3.1 Table 4-A areas tested and balanced				ACO:
	Negative & positive pressure isolation rooms CMC 416.4 Alarm system test				ACO:
	Negative & positive pressure isolation rooms CMC 417.0 Mechanical system tested & balanced				ACO:
	PLUMBING TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Potable water installations CPC 609.9, CBC 423A.5 & AWWA C651-92 Bacteriological examination/Water purity test				ACO:
	Medical gas and vacuum CBC 423A.1, NFPA 99-1999 Gas and vacuum system performance testing				ACO:
	Medical gas and vacuum CBC 423A.1, NFPA 99-1999 Gas and vacuum system verification testing				ACO:
	Existing sewers & drains CPC 101.4.1.1.2 Tested for conformance with rqmnts. for new work				ACO:
	Water supply system CPC 103.5.1.1 & 609.4 Pressure tested prior to covering or concealment				ACO:
	Plumbing or drainage systems CPC 103.5.1.3 & 712.0 Water or air tested prior to use, covering or concealment				ACO:
	Building sewer CPC 103.5.1.3 & 723.0 Water or air tested prior to use, covering or concealment				ACO:
	Storm drain piping CPC 1109.0 Water or air tested prior to use, covering or concealment				ACO:
	Fuel piping CPC 1204.3.2 Air, CO ₂ or nitrogen tested prior to use, covering or concealment				ACO:
	Private sewer disposal system CPC 103.5.1.3 Tested prior to use, covering or concealment				ACO:
	Protectively coated pipe CPC 103.5.3.4 Tested for voids, damage & imperfections				ACO:
	Joints and connections CPC 103.5.3.5 Pressure tested for gas and water tightness				ACO:
	Fuel gas piping CPC 1204.3.2 Pressure test				ACO:



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Facility Name	Project Number	Sub Number
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B	TESTS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	PLUMBING TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Defective systems CPC 103.5.5.1 Air test of defective drainage & plumbing systems				ACO:
	Moved structures CPC 103.5.5.2 All parts of plumbing systems tested				ACO:
	Retesting CPC 103.5.6.2 Retest after corrections				ACO:
	Backflow prevention assembly CPC 603.3.3 Assembly tested				ACO:
	FIRE PROTECTION EQUIPMENT TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Fire alarm CFC 1001.4, NFPA 72-1999 7-1.6 Acceptance and reacceptance testing				FLSO:
	Fire & smoke dampers CFC 1001.4 Acceptance testing				FLSO:
	Duct detectors CFC 1001.4, NFPA 72-1999 7-1.6 Differential pressure test				FLSO:
	Smoke control system CFC 1001.4, CBC 905.15 Acceptance testing				FLSO:
	Fire sprinkler CFC 1001.4, NFPA 13-1999 Ch. 10 Acceptance testing – Aboveground piping				FLSO:
	Fire sprinkler CFC 1001.4, NFPA 13-1999 Ch. 10 Acceptance testing – Underground piping				FLSO:
	Standpipe system CFC 1001.4, NFPA 14-2000 Acceptance testing – Aboveground piping				FLSO:
	Standpipe system CFC 1001.4, NFPA 14-2000 Acceptance testing – Underground piping				FLSO:
	Private fire mains CFC 1001.4, NFPA 24-1995 Acceptance testing				FLSO:
	Fire pumps CFC 1001.4, NFPA 20-1999 Acceptance testing				FLSO:
	Wet chem extng sys. CFC 1001.4, NFPA 17A-1998 Ch 4 Acceptance testing				FLSO:
	Clean agent extng sys. CFC 1001.4, NFPA 2001- 2000 Acceptance testing				FLSO:
	CO ₂ extng sys. CFC 1001.4, NFPA 12-1998 Acceptance testing				FLSO:
	Dry chem extng sys. CFC 1001.4, NFPA 17-1998 Ch 8 Acceptance testing				FLSO:
	Halon 1301 extng sys. CFC 1001.4, NFPA 12A- 1997 Acceptance testing				FLSO:
	OTHER TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Underground fuel tank CFC 7902.6.16 Pressure testing				FLSO:
	Underground fuel storage tank CFC 7902.6.15.4 Testing of corrosion protection				FLSO:
	Liquid fuel piping CFC 7901.11.10 Pressure testing				FLSO:



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Facility Name	Project Number	Sub Number
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C	SPECIAL INSPECTIONS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	STRUCTURAL INSPECTIONS	N/A	RESPONSIBLE INDIVIDUAL	IOR	FDD
	Foundation CBC 3301.1 Fill for structures				DSE:
	Concrete CBC 1701.5, item 1 Placement of concrete				DSE:
	Foundation CBC 1701.5, item 11 Piles & caissons				DSE:
	Concrete CBC 1701.5, item 4 Reinforcing steel and prestressing steel				DSE:
	Concrete CBC 1701.5, item 5.3 Welding of reinforcing bars				DSE:
	Concrete CBC 1701.5, item 2 Bolts installed in concrete				DSE:
	Steel CBC 1701.5, item 5.1 Structural welding				DSE:
	Bolts CBC 1701.5, item 6 High strength bolting				DSE:
	Structural Masonry CBC 1701.5, item 7				DSE:
	Reinforced Gypsum Concrete CBC 1701.5, item 8				DSE:
	Insulating Concrete Fill CBC 1701.5, item 9				DSE:
	Wood CBC 1701.5, item 16 Manufactured trusses				DSE:
	Miscellaneous CBC 1923.3.5 and ICBO Evaluation Reports Installation of expansion & epoxy anchors				DSE:
	Miscellaneous CBC 1701.5, item 15 Site work where special hazards exist				FDD:
	MECHANICAL INSPECTIONS	N/A	RESPONSIBLE INDIVIDUAL	IOR	FDD
	Process piping CMC 1406.3 Installation				ACO:
	Pressure vessels CMC 1006.5 Welding				ACO:
	PLUMBING INSPECTIONS	N/A	RESPONSIBLE INDIVIDUAL	IOR	FDD
	Medical gas CBC 423A.1, NFPA 99-1999 Ch 4-3 Brazing and labeling of systems				ACO:
	FIRE PROTECTION INSPECTIONS	N/A	RESPONSIBLE INDIVIDUAL	IOR	FDD
	Fire resistive materials CBC 1701A.10 Spray applied fireproofing				FLSO:
	Smoke control systems CBC 1701A.5.14 Ductwork and operation				FLSO:
	Sprinkler system piping CFC 1001.4, NFPA 13- 1999 Ch 3-6 Welded pipe and fittings				FLSO:
	Standpipe system piping CFC 1001.4, NFPA 14- 2000 Ch 2-4 Welded pipe and fittings				FLSO:



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Facility Name	Project Number	Sub Number
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C	OTHER SPECIAL INSPECTIONS	N/A	RESPONSIBLE INDIVIDUAL	IOR	FDD

D	CONSTRUCTION OBSERVATION AND REPORTING									
	Ref. No.	REQUIRED CONSTRUCTION OBSERVATION (See "PERSONAL KNOWLEDGE" as defined in CCR T-24 Section 7-151)	VERIFIED COMPLIANCE REPORT REQUIRED AS INDICATED (OSH-FD-123)							FOR OFFICE USE ONLY
		MILESTONES	GEOR	AOR	SEOR	MEOR	EEOR	CONT	IOR	SP INSP
		FINAL VERIFIED COMPLIANCE REPORT AT COMPLETION						X	X	

AOR: Architect of Record CONT: Contractor or Owner/Builder IOR: Inspector of Record EEOR: Electrical Engineer of Record MEOR: Mechanical Engineer of Record SEOR: Structural Engineer of Record GEOR: Geotechnical Engineer of Record SP INSP: Special Inspector

NOTE: Construction observation may be scheduled at specific intervals or at project milestones or a combination of both.



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Facility Name	Project Number	Sub Number
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AOR: Architect of Record CONT: Contractor or Owner/Builder IOR: Inspector of Record EEOR: Electrical Engineer of Record MEOR: Mechanical Engineer of Record SEOR: Structural Engineer of Record GEOR: Geotechnical Engineer of Record SP INSP: Special Inspector

NOTE: Construction observation may be scheduled at specific intervals or at project milestones or a combination of both.



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Samples of test and inspection reports are: ☐ Attached ☐ Not Required

Required test and inspection reports shall be prepared and submitted to OSHPD FDD within ____ days of the completion of all tests and inspections.

☐ In addition to the preprinted tests and special inspections identified on this form, this program includes additional tests and special inspections as indicated:

☐ Other Tests

☐ Other Inspections

☐ See Attachment

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E	SUBMITTED BY:	OSHPD PLAN APPROVAL:	
	_____ Architect/Engineer of Record	_____ Name	_____ Date
	PRINT NAME:	OSHPD PERMIT APPROVAL:	
	_____ 	_____ Name	_____ Date

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT1600 9th Street, Room 420 ~ Sacramento, CA 95814

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1831 9th Street ~ Sacramento, CA 95814

Phone (916) 324-9090

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If Final Report, Place "F" in Box →

☐**VERIFIED COMPLIANCE REPORT****VR****NOTE: Required at specific intervals or project milestones as indicated in the Testing, Inspection and observation Program approved by the Office (See Part 1, Title 24, CCR, Section 7-151)**

A	Name of Facility _____	B	OSHPD No. _____
	Address – Street _____		Increment/Phase/Sub No. or Description _____
	City _____ County _____ State _____ Zip _____		Facility I.D. No. _____
	Title of Project (45 Characters max.) _____		
C	Interval/Milestone*: _____ Ref. No.*: _____		
	This report includes construction work to the _____ day of _____, 20____		
	(* As identified on the approved Testing, Inspection and Observation Program)		
D	Observed Elements of Construction this reporting interval or project milestone: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____		
E	Area Under Observation Compliance Statement: I hereby declare that, to the best of my personal knowledge*, the work performed and the materials used and installed covered by this report, are in compliance with the approved drawings and specifications and any approved Post Approval Documents. If applicable, a tentative list of items to be completed or corrected is given herein below or attached hereto. This list may not be all-inclusive. Failure to include an item in it does not alter the responsibility of the Contractor/Builder to complete all of the work in accordance with the approved drawings and specifications and all applicable building codes. (* As defined in Part 1, Title 24, CCR, Section 7-151)		
F	Comments and/or Exception List: (Attach additional sheets if necessary) _____ _____ _____ _____ _____ _____		
G	Signed _____ Date _____ <input type="checkbox"/> AOR <input type="checkbox"/> SEOR <input type="checkbox"/> MEOR <input type="checkbox"/> EEOR <input type="checkbox"/> GEOR <input type="checkbox"/> Contractor/Owner-Builder <input type="checkbox"/> IOR <input type="checkbox"/> Special Inspector <input type="checkbox"/> Other: _____ Name (Print) _____ Registration No.: _____ Firm Name _____ Address _____ City _____ State _____ Zip _____		

**Instructions for
VERIFIED COMPLIANCE REPORT
(Sections A-G)**

Section A

This section identifies the specific project the Verified Compliance Report applies to.

- FACILITY NAME – As shown on the facility License issued by the Department of Health Services.
- ADDRESS/STREET - The physical location of the construction project.
- CITY/COUNTY/STATE/ZIP – Where the project is located.
- TITLE OF PROJECT – As shown on the Application for Plan Review.

Section B

This section further identifies the specific project, increment, phase or sub-number:

- OSHPD PROJECT NUMBER with two digit county code. For example, SS000123-45 or HL001234-19 or GL010020-19.
- Enter one of the following:
- Increment Number is defined during plan review and when used on this form indicates that the approved plans for work observed is found in an incremental approval. (see Section 7-131)
- Phase Number is defined during plan review or during construction, and sub- divides a project into more manageable parts or phases.
- Sub project number is used only for small projects issued under an Annual Building Permit. (see HSC 129785)

Section C

This section identifies and links this report with the Interval or Milestone defined on the approved TESTS, INSPECTIONS, AND OBSERVATION (TIO) Program.

- INTERVAL/MILESTONE description is per the approved TIO Program.
- REFERENCE NUMBER is the reference number used in the TIO Program.
- DATE indicates either:
- All work done on the project to that date or during this INTERVAL.
- All work done on this MILESTONE or element of construction, to that date.

Section D

This section identifies specifically what elements of construction were observed.

- If reporting on an INTERVAL basis, then list all elements of construction in the area under observation, completed or in progress, since the last report by the specified individual or discipline. Architects or Structural Engineers in Responsible Charge have overall responsibility and must report on all work. Engineers and Special Inspectors need only report on their areas of responsibility.

- If reporting on a MILESTONE basis, then list all elements of construction related to the specific MILESTONE, completed or in progress, since the last report by the specified individual or discipline.
- Projects may use milestones or intervals or a combination of both.

Section E

This section is a declaration of observed compliance, based upon personal knowledge as defined in Section 7-151 of Title 24, Part 1. Architects, Professional Engineers, Licensed Contractors (or Owner/Builders), Inspectors of Record, and Special Inspectors are required to file VERIFIED COMPLIANCE Reports in coordination with the approved TESTS, INSPECTIONS, AND OBSERVATION Program.

Section F

This section is used to list comments about the observed construction, or exceptions taken to the observed construction. Additional sheets may be referenced and attached.

Section G

This section identifies the individual completing the report. The Architect or Engineer of Record may name alternates to observe the work, but these alternates must be equally licensed. (Section 7-141).